

CITY OF LODI

COUNCIL COMMUNICATION

AGENDA TITLE: Approve Specifications and Authorize Advertisement for Bids for 216 metal halide lamps for Cherokee Lane streetlighting (EUD)

MEETING DATE: July 18, 2001

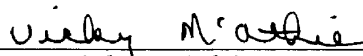
PREPARED BY: Electric Utility Director

RECOMMENDED ACTION: That the City Council approve the attached specifications and authorize the advertisement for bids for 216 175-watt metal halide pulse-arc lamps manufactured by Philips Lighting, for installation in streetlight fixtures on Cherokee Lane.

BACKGROUND INFORMATION: On February 26, 2001, Ron Peterson, Product Service Engineer for Advance Transformer, met with Electric Utility Department staff to help determine the cause of streetlight failures along Cherokee Lane.

According to Mr. Peterson, there may be a mismatch between ballasts and the pulse-arc lamps installed in the Cherokee Lane fixtures. However, Advance Transformer's manufacturing tolerances would place about 60% of the ballasts *within* the operating tolerances of the Philips pulse-arc lamp, suggesting that only about 40% of the ballasts may actually require replacement if operated with Philips bulbs. Toward that end, Advance Transformers has furnished the department with 100 pulse-arc ballasts, and has recommended that the City replace non-Philips lamps with Philips Lighting 175-watt pulse-arc metal halide lamps in an effort to achieve the department's desired level of performance for streetlights along Cherokee Lane.

FUNDING: Electric Utility Department 2001-2002 Operating Budget
Estimated cost: \$7,500


Funding: Vicky McAthie
Finance Director


Alan N. Vallow, Electric Utility Director

Prepared by Joel Harris, Purchasing Officer

cc: Manager, EUD Engineering and Operations

APPROVED: _____


H. Dixon Flynn -- City Manager

Product Specifications

Philips Lighting Company
Pulse-arc (Pulse-start) Lamps

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|-------------------------------------|---------------|
| Product Number                      | 27662-6       |
| Ordering Code                       | MS175/BU/PS   |
| Bulb Size                           | ED-28         |
| Bulb Finish                         | Clear         |
| Mean Overall Length (in.)           | 8.3125"       |
| Rated Average Life (hours)          | 15,000        |
| Initial Lumens                      | 16,000        |
| Mean Lumens                         | 11,200        |
| Correlated Color Temp               | 3700 Kelvin   |
| Color Rendering Index               | 62            |
| Max. Bulb Temperature               | 400° C        |
| Warm-up time to 90% Full Brightness | 2 minutes     |
| Re-start time for hot lamps         | 4 minutes     |
| Base                                | Mogul         |
| Operating Position                  | Base-up       |
| Luminaire Type                      | Enclosed only |
| Substitutions accepted?             | No            |